

Open 21, Inc.

On-Line Public Educational Network for the 21st Century, Inc.

1701 K Street, N.W.
Suite 800
Washington, DC 20006
202-835-8979

RECEIVED

JUL 17 2000

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

July 17, 2000

Magalie Roman Salas, Secretary
Federal Communications Commission
The Portals
445 Twelfth Street, S.W.
TW-A325
Washington, DC 20554

Dear Ms. Salas:

Enclosed please find an original and four copies of a Petition for Rule Making to amend the Television Table of Allotments to substitute channel 15 at Ann Arbor, Michigan for channel 58 at Ann Arbor, Michigan. Open 21, Inc. is an applicant for this facility (BPTTL- 19960920WC) and this petition is filed in order to break mutual exclusivity between this application and a DTV television facility.

If you have any questions, please do not hesitate to contact me.

Sincerely,



Thomas Cohen
President

Lr/tv/open21/ann arbor 15 cover letter

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00-109

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

RECEIVED
JUL 17 2000
FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

In Re:)
)
Amendment of Section 73.606(b))
of the Commission's Rules, the)
Table of Allotments for Analog)
Television Broadcast Stations)
(Ann Arbor, Michigan))

RM-_____

To: Chief, Allocations Branch
Mass Media Bureau

PETITION FOR RULE MAKING

On-Line Public Educational Network for the 21st Century, Inc. ("Open21")
applicant for a new non-commercial full power analog television station on Channel 58 at Ann
Arbor, Michigan (the "Applicant"),¹ pursuant to Section 1.401 of the Commission's rules, 47
C.F.R. § 1.401, and the Commission's Public Notices regarding a window for filing petitions for rule
making to change analog television allotments that may conflict with digital television ("DTV")
station allotments, authorizations, applications, or rule making proposals,² hereby petition the
Commission to amend the Table of Allotments for analog television broadcast stations to substitute
Channel 15 for Channel 58 at Ann Arbor, Michigan, and to authorize the Applicant to amend its
pending application for Channel 58 to specify operation on Channel 15 without subjecting its

¹ The Applicant is On-Line Public Educational Network for the 21st Century, Inc. ("Open21") (File No. BPET-19960920WC).

² See Public Notice, Mass Media Bureau Announces Window Filing Opportunity for Certain Pending Applications and Allotment Petitions for New Analog TV Stations, DA 99-2605 (released November 22, 1999) (the "Amendment Public Notice"); see also, Public Notice, Window Filing Opportunity For Certain Pending Applications and Allotment Petitions for New Analog TV Stations Extended to July 15, 2000, DA 00-536 (released March 9, 2000).

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application to competing applications. In support of this petition for rule making, the Applicant submits the following:

1. The Applicant has tendered for filing and has pending an application for a construction permit for a new non-commercial analog television station on Channel 58, Ann Arbor, Michigan. Since the reference coordinates for the proposed transmitter site are within the minimum co-channel separation distance for Zone I of 154.5 miles (or 248.6 kilometers) from Detroit, Michigan, one of the 30 designated television markets subject to the Commission's freeze in the advanced television ("ATV") proceeding (i.e., an "ATV freeze zone"),³ the Applicant specified a transmitter site outside of, and/or requested a waiver of, the ATV freeze in their respective applications.

2. In the DTV proceeding, the Commission stated that it would open a filing window, announced by Public Notice, during which pending analog full power television applications in an ATV freeze zone that would conflict with a DTV station allotment, authorization, application or rule making proposal could be amended to eliminate the DTV conflict, or could file a petition for rule making for an alternate channel below Channel 60 if necessary to avoid the DTV conflict.⁴ The Amendment Public Notice implements this Commission decision, permitting ATV freeze area applicants to file a petition for rule making to substitute a new channel below Channel 60.⁵

³ See Advanced Television Systems, Mimeo No. 4074, 52 Fed. Reg 28346 (1987).

⁴ See Advanced Television Systems and Their Impact on the Existing Television Broadcast Service, MM Docket No. 87-268, Second Memorandum Opinion and Order on Reconsideration of the Fifth and Sixth Report and Orders, FCC 98-315, 13 FCC Rcd 23992, 14 CR 674 at ¶¶ 40-42 (1998) (the "DTV Second MO&O").

⁵ See Amendment Public Notice at 4-6.

3. The Commission stated that it would require ATV freeze applicants to demonstrate that interference to a DTV station allotment, authorization, application or rule making proposal would be caused if the proposed channel substitution is not made.⁶ As demonstrated by the attached Engineering Report,⁷ the Applicant's analog Channel 58 application proposals would cause interference to the DTV Channel 57 allotment for WILX at Onondaga, Michigan, to the DTV Channel 58 allotment for WJBK at Detroit, Michigan, DTV Channel 58 allotment for WCMV at Cadillac, Michigan, and DTV Channel 59 allotment for WLNS at Lansing, Michigan.⁸

4. The Commission also stated that applicants with pending full power analog applications subject to the ATV must propose a single alternate channel below Channel 60.⁹

5. As required by the Amendment Public Notice and Sections 73.610 and 73.623(c) of the Commission's rules, 47 C.F.R. §§ 73.610 and 73.623(c),¹⁰ the Engineering Report demonstrates that the proposed allotment of Channel 15 to Ann Arbor, Michigan, meets all legal and technical requirements, including the minimum distance separation requirement to all other analog television stations,¹¹ and protects all DTV stations with allowances for *de minimis* interference.¹²

6. This proposal is short-spaced to WGTE, Channel 30, at Toledo, Ohio, and to

⁶ See DTV Second MO&O at ¶ 42; see also, Amendment Public Notice at 4.

⁷ See Engineering Report dated July 2000 and prepared by Venture Technologies Group, LLC, attached hereto as Exhibit A (the "Engineering Report").

⁸ See Engineering Report.

⁹ See DTV Second MO&O at ¶ 42; see also, Amendment Public Notice at 5.

¹⁰ See Amendment Public Notice at 5.

¹¹ See Engineering Report.

¹² See Engineering Report.

WANE-TV, Channel 15 at Fort Wayne, Indiana. However, no interference will be caused to either WGTE or WANE-TV by this proposal. Therefore, the Applicant requests a waiver of Section 73.610(d), Table 2 of Section 73.698, and other applicable Rules and Regulations of the Federal Communications Commission.

7. The Applicant hereby states its present intention to amend its pending application to specify operation on Channel 15, if analog Channel 15 is substituted for Channel 58, during the time period specified by the Commission in its allotment order, as required by the Commission.¹³

8. The Applicant submits that grant of this petition for rule making and the substitution of analog Channel 15 for Channel 58 at Ann Arbor, Michigan, would serve the public interest by permitting the initiation of a new noncommercial television service serving Ann Arbor, Michigan, and surrounding communities, without causing interference to any other existing station or any DTV station allotment, authorization, application or petition for rule making. Therefore, the public interest would be served by the grant of this petition.

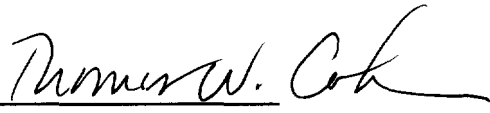
9. Wherefore, the above premises being considered, the Applicant requests that the Commission grant this petition for rule making, amend Section 73.606(b), the Table of Allotments for analog television broadcast stations, to substitute Channel 15 for Channel 58 at Ann Arbor,

¹³ See DTV Second MO&O at ¶ 42; see also, Amendment Public Notice at 6.

Michigan and authorize the Applicant to amend its pending application for Channel 58 at Ann Arbor, Michigan to specify operation on Channel 58 without subjecting its application to competing applications.

Respectfully submitted,

Open21, Inc.

By: 
Thomas W. Cohen, Esq.
President

1701 K Street N.W., Suite 800
Washington, D.C. 20006
(202) 835-8979 telephone
(202) 833-9536 facsimile

July 17, 2000

CERTIFICATE OF SERVICE

I, Thomas Cohen, hereby certify that on this 17th day of July, 2000, an original and four copies of the foregoing "Petition for Rulemaking" have been served by hand upon the following:

Magalie Roman Salas, Secretary
Federal Communications Commission
The Portals
445 Twelfth Street, S.W.
TW-A325
Washington, DC 20554

And additional copies have been served by hand delivery or first class mail, postage prepaid, upon the following:

Clay Pendarvis, Chief
Television Branch
Federal Communications Commission
445 12th Street, S.W., Room 2-A662
Washington, D.C. 20554

John A. Karousos, Chief
Allocations Branch
Federal Communications Commission
445 12th Street, S.W., Room 3-A320
Washington, D.C. 20554



Thomas Cohen

**ENGINEERING REPORT
PETITION FOR RULE MAKING
TO AMEND SECTION 73.606(b)
OF THE FCC RULES BY SUBSTITUTING
UHF-TV NTSC CHANNEL 15 FOR CHANNEL 58
AT ANN ARBOR, MICHIGAN**

JULY 2000

This engineering report has been prepared on behalf of On-Line Public Educational Network for the 21st Century, Inc. ("Applicant"), an applicant for a new analog NTSC television station Channel 58 at Ann Arbor, Michigan, in support of its petition for rule making to amend Section 73.606(b) of the FCC Rules and Regulations to substitute analog Channel 15 for the analog Channel 58 allotment for Ann Arbor, Michigan. The Applicant's Channel 58 application at Ann Arbor, Michigan (FCC File No. BPET-19960920WC) is mutually exclusive with the DTV allotment on Channel 57 for WLX-DT at Onandaga, Michigan; the DTV allotment for Channel 58 for WJBK-DT at Detroit, Michigan; the DTV allotment for Channel 58 WCMV-DT at Cadillac, Michigan; and the DTV allotment for WLNS, Channel 59 at Lansing, Michigan. Figure 1 illustrates the signal overlap of these facilities. Table 1 shows the allocation situation for the Applicant's proposed facility on Channel 58.

Since widespread interference would otherwise occur, the Applicant proposes to amend the FCC Rule Section 73.606(b) as follows:

Section 73.606(b) Substitute NTSC Channel 15Z for Channel 58.

The reference coordinate for the proposed new allotment at Ann Arbor, Michigan, would be as follows:

42 degrees, 27', 38" N. Lat., 83 degrees, 12', 50" W. Long.

The directional transmitting antenna and antenna orientation for the proposed new allotment at Ann Arbor, Michigan, would be as follows:

Andrew ALP24L3-HSNR-15 oriented 260 degrees true north.

The ERP for the proposed new allotment at Ann Arbor, Michigan remains the same that is in the Applicant's Channel 58 application. The proposed ERP for use with the allotment would be:

500 kW

with an antenna height above average terrain of :

308 meters.

Table 2 shows the allocation situation for the proposed NTSC Channel 15 allotment.

This proposal is short-spaced to WGTE, Channel 30, at Toledo, Ohio, and to WANE-TV, Channel 15 at Fort Wayne, Indiana. However, no interference will be caused to either WGTE or WANE-TV by this proposal. Therefore, the Applicant requests a waiver of Section 73.610(d), Table 2 of Section 73.698, and other applicable Rules and Regulations of the Federal Communications Commission.

A study of predicted interference caused by the Applicant's proposed television service on Channel 15Z at Ann Arbor, Michigan, using a version of the Longley-Rice program as described in OET Bulletin No. 69 (July 2, 1997) and the Public Notice "Additional Application Processing Guidelines for Digital Television (DTV)" (August 1998). The FCC's Fortran-77 code was modified by RadioSoft for use its software program ComStudy 2.2 for operation on a Windows NT platform. Comparison of service/interference areas and populations indicates that this model closely matches the FCC's evaluation program. Best efforts have been made to use data and calculations identical to the FCC's program. Any slight differences are attributable to compiler, operating system and/or processor characteristics. The

effect of any variance in calculated population values versus the FCC's program is minimized when analyzing a given model's results, e.g., new interference equals total interference less baseline interference. The effect is further reduced for ratios of calculated population values, e.g., incremental population affected as a percent of total population served. The model employs the Longley-Rice propagation methodology and evaluates in grid cells of approximately 4 square kilometers using 3-second terrain data sampled approximately every 0.1 km at one degree azimuth intervals with 1990 census centroids.

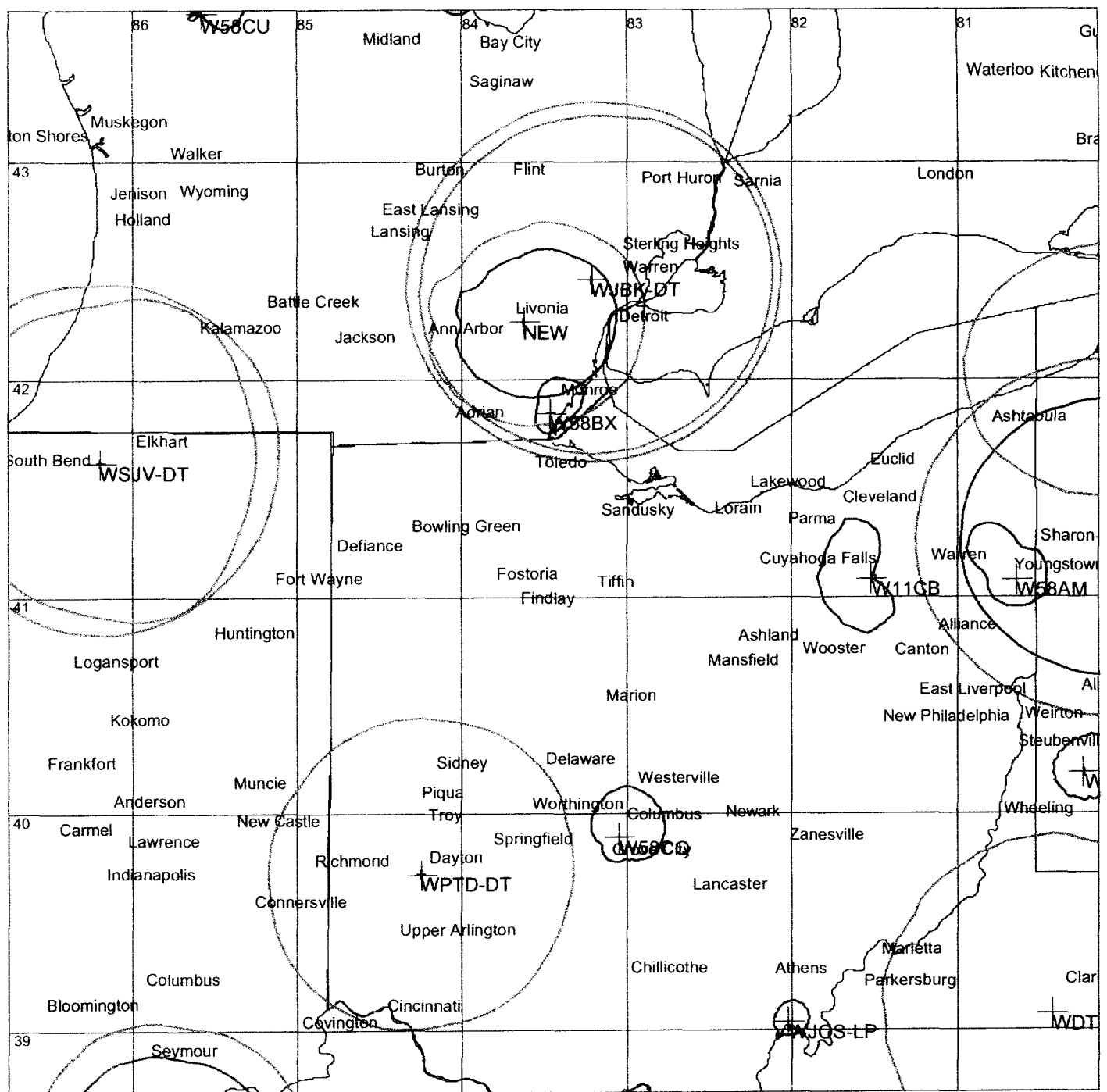
The baseline for the proposed new TV facility: No station on Channel 58.

Proposed Change: Channel 15Z, Andrew ALP24LE-HSNR-15 antenna oriented toward 260 degrees true north, Channel 15, 500 kW ERP, 308 meters HAAT, 42 degrees, 27', 38" N. Lat., 83 degrees, 12' 50" W. Long.

The results are depicted in Table 2 and comply with Commission policy and rules.

Based on the Commission's Public Notice, released June 2, 2000 (DA 00-1224) and the latest FCC CDBS data base, there are no Class A low power television status stations that conflict with the proposed Channel 15 allotment.

FIGURE 1 OPEN21 ANN ARBOR MI CH 58 CO CHANNEL STATIONS



Copyright (c) 1996 RadioSoft

Scale 1:1985000

100 Km

TV Grade 'A' TV Grade 'B' — State Borders — Lat-Lon Grids

TABLE 1: NTSC AND DTV UHF TV ALLOCATION STUDY FOR DTV CHANNEL 58 AT ANN ARBOR, MICHIGAN

ComStudy 2.2 RadioSoft

CallSign	City	Class	ERP	Sep Type	Status	Dist	Prot	Clearance	D/U	Rx Gain	Rx F/B	Zone	Band	Ch#	Adj	Matrix	Svc Contour	Svc Strength	Int Contour	Int Strength	Matrix Analy	Old Pop%	New Pop%	Total Pop	Old Pop	New Pop	
CBEFT	WINDSOR	Analog	136,000	D/M	Clear	57.1	0	25.0	-23	0.0	0.0	1	UHF	54 Z	T-4	LR	F(50.50)	64	-	-	-	-	-	-	1414264	1414264	1401173
CHCH-TV2	LONDON	Analog	1300,000	D/M	Clear	166.7	40	40.0	-33	0.0	6.0	2	UHF	51 +	T-7	LR	F(50.50)	64	-	-	-	-	-	-	N/C	N/C	N/C
CICOTV59	CHATHAM	Analog	37,200	D/M	Clear	126.8	40	40.0	-15	0.0	6.0	1	UHF	58 Z	A+1	LR	F(50.50)	64	-	-	-	-	-	-	N/C	N/C	N/C
NEW	ANN ARBOR	Analog	2800,000	D/M	Clear	0.0	0	0.0	-45	0.0	6.0	1	UHF	58 +	Co	LR	F(50.50)	64	-	-	-	-	-	-	3708876	3708876	38469
NEW	BAY CITY	Analog	5000,000	D/M	Clear	135.6	32	40.0	-34	0.0	6.0	1	UHF	61 +	T+3	LR	F(50.50)	64	-	-	-	-	-	-	1244768	1244768	1244768
NEW	BAY CITY	Analog	5000,000	D/M	Clear	137.0	32	40.0	-34	0.0	6.0	1	UHF	61 +	T+3	LR	F(50.50)	64	-	-	-	-	-	-	2163839	2163839	2163839
NEW	DEFIANCE	Analog	5000,000	D/M	Clear	127.3	40	40.0	-33	0.0	6.0	1	UHF	65 +	T+7	LR	F(50.50)	64	-	-	-	-	-	-	1335569	1335569	1335569
NEW	YOUNGSTOWN	Analog	5000,000	D/M	Clear	315.5	32	40.0	-28	0.0	6.0	1	UHF	57 Z	Co	LR	F(50.50)	64	-	-	-	-	-	-	2169064	2169064	2168249
WBNXTV	AKRON	Analog	5000,000	D/M	Clear	187.8	32	40.0	-33	0.0	6.0	1	UHF	56 -	T-3	LR	F(50.50)	64	-	-	-	-	-	-	3582261	3582261	3582261
WCMV-DT	CADILLAC	DTV	50,000	D/M	Clear	250.7	24	20.0	2	10.0	14.0	2	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	137284	137284	136788
WCMV-DT	CADILLAC	DTV	50,000	D/M	Clear	250.7	24	20.0	2	10.0	14.0	2	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	137284	137284	136788
WDJTV	MILWAUKEE	Analog	5000,000	D/M	Clear	365.1	32	40.0	-26	0.0	6.0	1	UHF	57 Z	Co	LR	F(50.50)	64	-	-	-	-	-	-	2324281	2324281	2324281
WFFT-TV	FORT WAYNE	Analog	603,000	D/M	Clear	183.0	32	40.0	-33	0.0	6.0	1	UHF	55 Z	T-3	LR	F(50.50)	64	-	-	-	-	-	-	641029	641029	641029
WILX-DT	ONONDAGA	DTV	947,000	D/M	Clear	80.5	0	0.0	-48	10.0	14.0	1	UHF	57	A-1	LR	F(50.90)	41	-	-	-	-	-	-	2395029	2395029	2129687
WILX-DT	ONONDAGA	DTV	1000,000	D/M	Clear	80.5	0	0.0	-48	10.0	14.0	1	UHF	57	A-1	LR	F(50.90)	41	-	-	-	-	-	-	2448694	2448694	2170971
WILX-DT	ONONDAGA	DTV	1000,000	D/M	Clear	80.5	0	0.0	-48	10.0	14.0	1	UHF	57	A-1	LR	F(50.90)	41	-	-	-	-	-	-	2431978	2431978	2156646
WJBK-DT	DETROIT	DTV	1000,000	D/M	Clear	40.4	0	0.0	2	10.0	14.0	1	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	5603823	5603823	4395608
WJBK-DT	DETROIT	DTV	1000,000	D/M	Clear	40.4	0	0.0	2	10.0	14.0	1	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	5603823	5603823	4395608
WJBK-DT	DETROIT	DTV	1000,000	D/M	Clear	40.4	0	0.0	2	10.0	14.0	1	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	5480543	5480543	4288161
WJET-DT	ERIE	DTV	3,800	D/M	Clear	295.0	24	20.0	2	10.0	14.0	1	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	385394	385394	392022
WJET-DT	ERIE	DTV	50,000	D/M	Clear	295.1	24	20.0	2	10.0	14.0	1	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	487416	487416	483164
WJET-DT	ERIE	DTV	50,000	D/M	Clear	295.1	24	20.0	2	10.0	14.0	1	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	511567	511567	507983
WKBD	DETROIT	Analog	2340,000	D/M	Clear	35.6	32	40.0	-32	0.0	6.0	1	UHF	50 -	T-8	LR	F(50.50)	64	-	-	-	-	-	-	4846112	4846112	4843737
WKBD	DETROIT	Analog	5000,000	D/M	Clear	35.6	32	40.0	-32	0.0	6.0	1	UHF	50 -	T-8	LR	F(50.50)	64	-	-	-	-	-	-	5012953	5012953	5010673
WLNS-DT	LANSING	DTV	916,000	D/M	Clear	77.7	0	0.0	-49	10.0	14.0	1	UHF	59	A+1	LR	F(50.90)	41	-	-	-	-	-	-	2990522	2990522	2689130
WLNS-DT	LANSING	DTV	1000,000	D/M	Clear	77.6	0	0.0	-49	10.0	14.0	1	UHF	59	A+1	LR	F(50.90)	41	-	-	-	-	-	-	3336000	3336000	2901926
WLNS-DT	LANSING	DTV	1000,000	D/M	Clear	77.6	0	0.0	-49	10.0	14.0	1	UHF	59	A+1	LR	F(50.90)	41	-	-	-	-	-	-	3283637	3283637	2940591
WPTD-DT	DAYTON	DTV	104,000	D/M	Clear	287.2	24	20.0	2	10.0	14.0	1	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	3012282	3012282	3007157
WPTD-DT	DAYTON	DTV	104,000	D/M	Clear	287.2	24	20.0	2	10.0	14.0	1	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	3012779	3012779	3007644
WQHS-TV	CLEVELAND	Analog	2000,000	D/M	Clear	187.4	32	40.0	-34	0.0	6.0	1	UHF	61 Z	T+3	LR	F(50.50)	64	-	-	-	-	-	-	3418892	3418892	3418892
WQHS-TV	CLEVELAND	Analog	5000,000	D/M	Clear	187.4	32	40.0	-34	0.0	6.0	1	UHF	61 Z	T+3	LR	F(50.50)	64	-	-	-	-	-	-	3534095	3534095	3534095
WSJV-DT	ELKHART	DTV	358,000	D/M	Clear	224.8	0	0.0	2	10.0	14.0	1	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	1433371	1433371	1426932
WSJV-DT	ELKHART	DTV	358,000	D/M	Clear	224.8	0	0.0	2	10.0	14.0	1	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	1260290	1260290	1260290
WSJV-DT	ELKHART	DTV	797,000	D/M	Clear	224.8	0	0.0	2	10.0	14.0	1	UHF	58	Co	LR	F(50.90)	41	-	-	-	-	-	-	1582589	1582589	1581622
WSMH	FLINT	Analog	1170,000	D/M	Clear	112.1	32	40.0	-41	0.0	6.0	1	UHF	66 -	T+8	LR	F(50.50)	64	-	-	-	-	-	-	1309066	1309066	1309066
WSMH	FLINT	Analog	5000,000	D/M	Clear	112.1	32	40.0	-41	0.0	6.0	1	UHF	66 -	T+8	LR	F(50.50)	64	-	-	-	-	-	-	1699607	1699607	1699607
WTLW	LIMA	Analog	912,000	D/M	Clear	173.0	36	77.5	-25	0.0	0.0	1	UHF	44 +	T-14	LR	F(50.50)	64	-	-	-	-	-	-	488563	488563	488563
WTVS	DETROIT	Analog	2090,000	D/M	Clear	35.6	32	40.0	-26	0.0	6.0	1	UHF	56 Z	T-2	LR	F(50.50)	64	-	-	-	-	-	-	4812031	4812031	4765448
WTVS	DETROIT	Analog	5000,000	D/M	Clear	35.6	32	40.0	-26	0.0	6.0	1	UHF	56 Z	T-2	LR	F(50.50)	64	-	-	-	-	-	-	5005590	5005590	4974917
WUAB	LORAIN	Analog	4680,000	D/M	Clear	186.3	32	40.0	-8	0.0	0.0	1	UHF	43 Z	T-15	LR	F(50.50)	64	-	-	-	-	-	-	3401284	3401284	3401284
WUAB	LORAIN	Analog	5000,000	D/M	Clear	186.3	32	40.0	-8	0.0	0.0	1	UHF	43 Z	T-15	LR	F(50.50)	64	-	-	-	-	-	-	3601254	3601254	3601254
WWPX-DT	AKRON	DTV	449,000	D/M	Clear	216.1	36	110.1	-49	10.0	14.0	1	UHF	59	A+1	LR	F(50.90)	41	-	-	-	-	-	-	4116026	4116026	4116026
WWPX-DT	AKRON	DTV	449,000	D/M	Clear	216.1	36	110.1	-49	10.0	14.0	1	UHF	59	A+1	LR	F(50.90)	41	-	-	-	-	-	-	4108908	4108908	4108908
WWPX-DT	AKRON	DTV	1000,000	D/M	Clear	216.0	36	110.0	-49	10.0	14.0	1	UHF	59	A+1	LR	F(50.90)	41	-	-	-	-	-	-	4138706	4138706	4138706
WWJTV	DETROIT	Analog	1000,000	D	Clear	43.6	32	11.0	-	-	-	1	UHF	62 Z	T+4	LR	-	-	-	-	-	-	N/C	N/C	N/C	N/C	N/C
WWJTV	DETROIT	Analog	5000,000	D	Clear	42.6	32	10.0	-	-	-	1	UHF	62 Z	T+4	LR	-	-	-	-	-	-	N/C	N/C	N/C	N/C	N/C
WZPX	BATTLE CREEK	Analog	5000,000	D/M	Clear	127.1	32	7.0	-6	0.0	0.0	1	UHF	43 -	T-15	LR	F(50.50)	64	-	-	-	-	-	-	1902792	1902792	1902724

TABLE 2: NTSC AND DTV UHF TV ALLOCATION STUDY FOR DTV CHANNEL 15 AT ANN ARBOR, MICHIGAN

ComStudy 2.2 RadioSoft

Callsign	City	Class	ERP	Sep Type	Status	Dist	Prot	Clearance	D/U	Rx Gain	Rx F/B	Zone	Band	Ch#	Adj	Matrix	Svc Contour	Svc Strength	Int Contour	Int Strength	Matrix Analy	Old Pop%	New Pop%	Total Pop	Old Pop	New Pop
ALC	SARNIA	Analog	10.000	D/M	Cover	87.3	37	16.3	-29	0.0	6.0	1	UHF	17+	T+2	LR	F(50.50)	64	-	-	-	N/C	N/C	76035	76035	76035
CHWTV	CHATHAM	Analog	492.000	D/M	Cover	72.5			-15	0.0	6.0	1	UHF	16-	A+1	LR	F(50.50)	64	-	-	-	N/C	N/C	N/C	N/C	N/C
CICOTV18	LONDON	Analog	38.300	D/M	Cover	161.8	21	119.3	-34	0.0	6.0	1	UHF	18.2	T+3	LR	F(50.50)	64	-	-	-	N/C	N/C	N/C	N/C	N/C
CIITV22	STEVENS	Analog	794.000	D/M	Cover	74.7			-33	0.0	6.0	2	UHF	22-	T+7	LR	F(50.50)	64	-	-	-	N/C	N/C	N/C	N/C	N/C
CIITV29	SARNIA-ON	Analog	370.000	D	Cover	90.7			-	-	-	1	UHF	29+	T+14	LR	-	-	-	-	N/C	N/C	N/C	N/C	N/C	
WANETV	FORT WAY	Analog	437.000	D/M	Cover	223.1			28	0.0	6.0	1	UHF	11-	Co	LR	F(50.50)	64	-	-	-	N/C	N/C	553989	553989	553989
WCMUTV	MOUNT PLE	Analog	204.000	D/M	Cover	177.3	88	88.3	-15	0.0	6.0	2	UHF	14.2	A-1	LR	F(50.50)	64	-	-	-	N/C	N/C	243732	243732	243732
WDCP-DT	BAD AXE	DTV	50.000	D/M	Cover	138.4			2	10.0	14.0	2	UHF	15	Co	LR	F(50.90)	41	-	-	-	N/C	N/C	132788	132788	132593
WDCP-DT	BAD AXE	DTV	50.000	D/M	Cover	138.4			2	10.0	14.0	2	UHF	15	Co	LR	F(50.90)	41	-	-	-	N/C	N/C	133104	133104	132888
WDCQ	UNIVERSITY	Analog	1290.000	D	Cover	137.4	32	107.4	-	-	-	2	UHF	19+	T+4	LR	-	-	-	-	N/C	N/C	N/C	N/C	N/C	
WEWS-DT	CLEVELAND	DTV	500.000	D/M	Cover	173.1			2	10.0	14.0	1	UHF	15	Co	LR	F(50.90)	41	-	-	-	N/C	N/C	3647363	3647363	3647250
WEWS-DT	CLEVELAND	DTV	1000.000	D/M	Cover	173.1			2	10.0	14.0	1	UHF	15	Co	LR	F(50.90)	41	-	-	-	N/C	N/C	4048220	4048220	4043537
WEWS-DT	CLEVELAND	DTV	1000.000	D/M	Cover	173.1			2	10.0	14.0	1	UHF	15	Co	LR	F(50.90)	41	-	-	-	N/C	N/C	4006396	4006396	4003450
WGTETV	TOLEDO	Analog	1000.000	D	Cover	91.0			-	-	-	1	UHF	30+	T+15	LR	-	-	-	-	N/C	N/C	N/C	N/C	N/C	
WHTV	JACKSON	Analog	8.910	D/M	Cover	100.9	30	69.9	-34	0.0	6.0	1	UHF	18+	T+3	LR	F(50.50)	64	-	-	-	N/C	N/C	140447	140447	140447
WKARTV	EAST LANS	Analog	1230.000	D/M	Cover	102.1	32	70.1	-41	0.0	6.0	1	UHF	23-	T+8	LR	F(50.50)	64	-	-	-	N/C	N/C	1250950	1250950	1250950
WKBD-DT	DETROIT	DTV	50.000	D/M	Cover	8.5			-48	10.0	14.0	1	UHF	14	A-1	LR	F(50.90)	41	-	-	-	N/C	N/C	4787310	4787310	4787310
WKBD-DT	DETROIT	DTV	50.000	D/M	Cover	8.5			-48	10.0	14.0	1	UHF	14	A-1	LR	F(50.90)	41	-	-	-	N/C	N/C	4814653	4814653	4814653
WKBD-DT	DETROIT	DTV	58.700	D/M	Cover	8.5			-48	10.0	14.0	1	UHF	14	A-1	LR	F(50.90)	41	-	-	-	N/C	N/C	4575754	4575754	4575754
WOIO	SHAKER HIE	Analog	3720.000	D	Cover	173.4	32	163.4	-	-	-	1	UHF	19.2	T+4	LR	-	-	-	-	N/C	N/C	N/C	N/C	N/C	
WPSX-DT	CLEARFIELD	DTV	1000.000	D/M	Cover	423.6	245	178.6	2	10.0	14.0	1	UHF	15	Co	LR	F(50.90)	41	-	-	-	N/C	N/C	762961	762961	762961
WPSX-DT	CLEARFIELD	DTV	1000.000	D/M	Cover	423.6	245	178.6	2	10.0	14.0	1	UHF	15	Co	LR	F(50.90)	41	-	-	-	N/C	N/C	825955	825955	825955
WSMH-DT	FLINT	DTV	60.000	D/M	Cover	108.9	53	53.9	-49	10.0	14.0	1	UHF	16	A+1	LR	F(50.90)	41	-	-	-	N/C	N/C	1490312	1490312	1490312
WSMH-DT	FLINT	DTV	60.000	D/M	Cover	108.9	53	53.9	-49	10.0	14.0	1	UHF	16	A+1	LR	F(50.90)	41	-	-	-	N/C	N/C	1502979	1502979	1502979
WSMH-DT	FLINT	DTV	1000.000	D/M	Cover	108.9	53	53.9	-49	10.0	14.0	1	UHF	16	A+1	LR	F(50.90)	41	-	-	-	N/C	N/C	2007598	2007598	2007497
WTAPTV	PARKERSB	Analog	234.000	D/M	Cover	372.3	67	41.3	28	0.0	6.0	1	UHF	15-	Co	LR	F(50.50)	64	-	-	-	N/C	N/C	262491	262491	262491
WXMI	GRAND RAI	Analog	1290.000	D/M	Cover	192.0	32	182.0	-29	0.0	6.0	1	UHF	17-	T+2	LR	F(50.50)	64	-	-	-	N/C	N/C	1398817	1398817	1398817
WXMI	GRAND RAI	Analog	5000.000	D/M	Cover	192.0	32	182.0	-29	0.0	6.0	1	UHF	17-	T+2	LR	F(50.50)	64	-	-	-	N/C	N/C	1855493	1855493	1855493